

NOTE ON THE IDENTITY OF *CALLIOSTOMA SOWERBYI*, PILSBRY,
WITH *C. HALIARCHUS*, MELVILL.

By JAMES COSMO MELVILL, F.L.S.

Read 12th November, 1909.

IN 1878 Mr. G. B. Sowerby described¹ a then unique member of the Trochidæ, from Japan, under the name *Zizyphinus jucundus*. It was a fairly smooth shell, finely granolirate on the uppermost whorls, the succeeding ones, as well as the body-whorl, being almost smooth, with the exception of granoliration at the sutures, the aperture obliquely quadrate, mouth pearly. Alt. 30, diam. 33 mm.

In January, 1889, the description² of *Zizyphinus haliarchus*, mihi, was published, the type being a unique shell lately presented to the Manchester Museum, Owens College (now the Victoria University of Manchester), by the executors of the late Mr. Reginald Cholmondeley, of Conover Hall, Shrewsbury, together with many other rare and valuable specimens. This fine shell was differentiated from *Z. jucundus*, Sowb., by certain characters, such as greater inflation, tenuity of substance, size (alt. 40, diam. 36 mm.), etc. It was also reported, with some queried element of doubt, to have been dredged in deep water off the eastern coasts of Australia.

Now, Dr. Gould had, in 1849, already published a *Zizyphinus* under the name of *Trochus jucundus*, and, accordingly, when working on his able monograph of the Trochidæ, Dr. H. A. Pilsbry, finding it thus necessary to change the name of Sowerby's shell, prepared for it the appellation *Sowerbyi*, by which it has been since known.

Quite recently, I received from Mr. Sowerby a specimen labelled "*Calliostoma Sowerbyi*, Pils.", and I at once recognized it as identical with *C. haliarchus*. The following week I was able, in company with Mr. R. Standen, to compare it with the type, when my impressions were confirmed, it differing in not much else except size. This proves conclusively how often erroneous conclusions may be drawn from only reading a description, or comparing a figure, however well executed, when one is not able to examine the type.

I placed the matter before Mr. Sowerby, who kindly at once gave me his opinion upon the subject, which was that both his name *jucundus* must yield to Dr. Gould's, and *Sowerbyi*, Pilsbry, to *haliarchus*, Melv., for, though both the latter appellations were bestowed in 1889, *haliarchus* was published 1st January, while *Sowerbyi* appeared in the fourth instalment (out of five) of vol. xi of the Manual, and therefore was published after 1st August.

¹ Proc. Zool. Soc., 1878, p. 798, pl. xlvi, fig. 6.

² Journ. of Conch. published January 1, 1889, vol. vi, p. 32, pl. ii, fig. 3.

The synonymy, therefore, will stand as follows:—

CALLIOSTOMA HALIARCHUS (Melv.).

Zizyphinus jucundus, Sowerby, Proc. Zool. Soc. Lond., 1878, p. 798,
pl. xlviii, fig. 6 (*non* Gould, 1849).

Z. haliarchus, Melvill, Journ. of Conch., vol. vi, p. 32, pl. ii, fig. 3
(January 1, 1889).

Calliostoma Sowerbyi, Pilsbry, Man. Conch., 1889, vol. xi, pt. iv,
p. 352.

Hab.—Japan, and perhaps East Australia.